

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	864	(washer or shim) same (rib\$4 or groov\$4 or ridg\$4) same (concave or convex or concavity or camber or cambered)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 21:19
L2	5242	(washer or shim) same (rib\$4 or groov\$4 or ridg\$4) same (concave or convex or concavity or camber or cambered)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/26 21:19
L3	1321	(washer or shim) with (rib\$4 or groov\$4 or ridg\$4) same (concave or convex or concavity or camber or cambered)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/26 21:20
L4	381	(washer or shim) with (rib\$4 or groov\$4 or ridg\$4) same (concave or convex or concavity or camber or cambered) same (locking or lockable or lock or locked)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/26 21:42
L5	24	(US-6705813-\$ or US-5547326-\$ or US-5188441-\$ or US-5112178-\$ or US-4302136-\$ or US-3777796-\$ or US-3390713-\$ or US-3332464-\$ or US-0302441-\$ or US-6939097-\$ or US-6887274-\$ or US-5829933-\$ or US-5628599-\$ or US-5496142-\$ or US-5011351-\$ or US-4157725-\$ or US-4103725-\$ or US-2345419-\$). did. or (US-3332464-\$ or US-3181584-\$).did.	USPAT; USOCR	OR	ON	2006/04/26 21:41
L6	24	(US-6705813-\$ or US-5547326-\$ or US-5188441-\$ or US-5112178-\$ or US-4302136-\$ or US-3777796-\$ or US-3390713-\$ or US-3332464-\$ or US-0302441-\$ or US-6939097-\$ or US-6887274-\$ or US-5829933-\$ or US-5628599-\$ or US-5496142-\$ or US-5011351-\$ or US-4157725-\$ or US-4103725-\$ or US-2345419-\$). did. or (US-3332464-\$ or US-3181584-\$ or US-3236277-\$ or US-2675844-\$ or US-2278062-\$ or US-1911384-\$).did.	USPAT; USOCR	OR	ON	2006/04/26 21:41
L7	0	6 not 5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 21:41

## EAST Search History

L8	24	(US-6705813-\$ or US-5547326-\$ or US-5188441-\$ or US-5112178-\$ or US-4302136-\$ or US-3777796-\$ or US-3390713-\$ or US-3332464-\$ or US-0302441-\$ or US-6939097-\$ or US-6887274-\$ or US-5829933-\$ or US-5628599-\$ or US-5496142-\$ or US-5011351-\$ or US-4157725-\$ or US-4103725-\$ or US-2345419-\$). did. or (US-3332464-\$ or US-3181584-\$).did.	USPAT; USOCR	OR	ON	2006/04/26 21:42
L9	1	("1911384").URPN.	USPAT	OR	ON	2006/04/26 21:44
L10	37	("0367196"   "0796671"   "1368604"   "1592438"   "1875930"   "1911384"   "1926917"   "1933871"   "2112494"   "2226491"   "2509158"   "2619416"   "2675844"   "2707012"   "3343580"   "4034788"   "4350465").PN. OR ("4741654").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 21:44
L11	25	(US-6705813-\$ or US-5547326-\$ or US-5188441-\$ or US-5112178-\$ or US-4302136-\$ or US-3777796-\$ or US-3390713-\$ or US-3332464-\$ or US-0302441-\$ or US-6939097-\$ or US-6887274-\$ or US-5829933-\$ or US-5628599-\$ or US-5496142-\$ or US-5011351-\$ or US-4157725-\$ or US-4103725-\$ or US-2345419-\$ or US-4034788-\$).did. or (US-3332464-\$ or US-3181584-\$ or US-3236277-\$ or US-2675844-\$ or US-2278062-\$ or US-1911384-\$). did.	USPAT; USOCR	OR	ON	2006/04/26 21:48
S1	51	(411/371.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 18:47
S2	275	(411/176).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 18:47
S3	56	(411/156).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 18:47
S4	79	(411/371.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/26 18:47

## EAST Search History

S5	76	(411/156).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/26 18:47
S6	466	(411/176).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/26 18:47
S7	107	S4 or S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 18:48
S8	30	S7 and (rib or ribbed or groove or ribbing or ridge or ridged)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/26 18:51
S9	3	("3332464" "3390713" "0302441").PN.	US-PGPUB; USPAT	OR	ON	2006/04/26 18:51
S10	9	(US-6705813-\$ or US-5547326-\$ or US-5188441-\$ or US-5112178-\$ or US-4302136-\$ or US-3777796-\$ or US-3390713-\$ or US-3332464-\$ or US-0302441-\$).did.	USPAT	OR	ON	2006/04/26 18:52
S11	26	("2275058"   "2361193"   "2368193"   "2516236"   "2624819"   "2629791"   "2753544"   "3027609"   "3464308"   "3909768"   "4751351"   "4760221"   "4822959"   "5149150"   "5269499"   "5496142"   "6082943").PN. OR ("6705813").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:54
S12	15	("1963535"   "3037221"   "3332464"   "3476009"   "3628584"   "3856066"   "4302136"   "5112178"   "5188441").PN. OR ("5547326").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:52
S13	27	("2096041"   "2426974"   "3572851"   "3767275"   "3782787"   "3785420"   "3838894"   "3865441"   "3930689"   "3973808"   "4059315"   "4095849"   "4218101"   "4322193").PN. OR ("5188441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:52
S15	20	("0948326"   "1963535"   "3332464"   "3631910"   "3856066").PN. OR ("5112178").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:53

## EAST Search History

S16	22	("0329738"   "1020438"   "2345419"   "2624128"   "3097679"   "3221792"   "3476009"   "4103725").PN. OR ("4302136").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:53
S17	21	("1547162"   "2254288"   "3181584").PN. OR ("3777796").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:53
S18	4	("3390713").URPN.	USPAT	OR	ON	2006/04/26 18:53
S19	11	("3332464").URPN.	USPAT	OR	ON	2006/04/26 18:53
S20	1	("302441").URPN.	USPAT	OR	ON	2006/04/26 18:54
S21	134	S11 S12 S13 S15 S16 S17 S18 S19 S20	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/26 18:54
S22	20	(US-6705813-\$ or US-5547326-\$ or US-5188441-\$ or US-5112178-\$ or US-4302136-\$ or US-3777796-\$ or US-3390713-\$ or US-3332464-\$ or US-0302441-\$ or US-6939097-\$ or US-6887274-\$ or US-5829933-\$ or US-5628599-\$ or US-5496142-\$ or US-5011351-\$ or US-4157725-\$ or US-4103725-\$ or US-2345419-\$).did. or (US-3332464-\$ or US-3181584-\$).did.	USPAT; USOCR	OR	ON	2006/04/26 21:42
S23	11	("3332464").URPN.	USPAT	OR	ON	2006/04/26 19:17